



BID DOCUMENTS 7/1/2011

<div>Revisions</div> <table><tr><td> </td><td> </td></tr><tr><td> </td><td> </td></tr><tr><td> </td><td> </td></tr><tr><td> </td><td> </td></tr></table>									<div>DATE: 7-1-2011</div> <div>PROJECT NO: 906CM3009</div> <div>DRAWING NO: W-1.3</div> <div>DWG. 44 OF 181</div>
<div>REGISTERED PROFESSIONAL ENGINEER OREGON EXPIRES: 06/30/2013</div>	<div>DRAWING TITLE: SANITARY SEWER & WATERMAIN PLAN & PROFILE</div> <div>APPROVED: DIRECTOR, OFFICE OF CONSTRUCTION MANAGEMENT</div> <div>APPROVED: DIRECTOR, PROJECT MANAGEMENT SERVICE</div>	<div>PROJECT TITLE: REPLACE ADMINISTRATION AND MAINTENANCE BUILDING AND SITE IMPROVEMENTS</div> <div>BUILDING NUMBER: </div> <div>CHECKED: GRJ</div> <div>DRAWN: AMT/PSH</div> <div>LOCATION: EAGLE POINT NATIONAL CEMETERY 2763 RILEY ROAD EAGLE POINT, OR 97524</div>							
<div>ANDERSON ENGINEERING OF MINNESOTA, LLC</div> <div>13605 1ST AVENUE NORTH, SUITE 100, PLYMOUTH, MN 55441</div> <div>TEL (763) 412-4000 FAX (763) 412-4090</div> <div>WWW.AE-MN.COM</div>	<div>NATIONAL CEMETERY ADMINISTRATION</div> <div>EXISTING METER TO REMAIN FOR IRRIGATION</div> <div>2" TYPE K COPPER WATER SERV.</div> <div>METER VAULT</div> <div>2" WATER SERVICE</div> <div>6" PVC SEWER SERVICE IE: 1560.50</div> <div>BUILDING #3002 FFE=1565.7</div> <div>25' PERMANENT PUBLIC UTILITY EASEMENT</div> <div>8" DIP CL. 54 WATERMAIN 30" COVER MIN.</div> <div>22" & 11" BENDS</div> <div>PROTECT EXISTING WATER VAULT & 3" WATER CONNECTION</div> <div>8X6 RED. 2-45" BENDS 6" LEAD 6" HYD. W/ GV</div> <div>6"x2" TAP W/ CURB STOP</div> <div>RESTRAINED MECHANICAL JOINTS W/ THRUST BLOCK</div> <div>2" WATER SERVICE</div> <div>6" PVC SEWER SERVICE IE: 1559.0</div> <div>BLDG. #1001 FFE=1565.7</div> <div>STORMWATER CHAMBERS SEE SHEET L-4.2</div> <div>GEO-THERMAL SEE SHEET H-1.1</div> <div>50' WATERLINE EASEMENT MEDFORD WATER COMMISSION</div> <div>CAUTION: PROTECT EXISTING WATER LINE. MINIMIZE DISTURBANCE IN EASEMENT AREA. CONTACT MEDFORD WATER COMMISSION INSPECTOR LESTER McFALL (541-944-3690) 48 HOURS IN ADVANCE OF CONSTRUCTION IN THIS AREA.</div> <div>35 LF - 6" PVC SDR 26 @ 10.0%</div> <div>50' MWC WATERLINE EASEMENT</div> <div>ANCHOR BLOCK (TYP. SAN. & WM)</div> <div>NOTE: SOIL CONDITIONS AT BORING LOCATIONS SHOWN FOR REFERENCE ONLY. CONTRACTOR TO MAKE OWN INTERPRETATION BASED ON GEOTECHNICAL REPORT AND BORING LOGS.</div> <div>57 LF PVC SDR 35 @ 2.00%</div> <div>40' - 8" DIP CL. 54 WATERMAIN ENCASED IN 20" STEEL CARRIER PIPE</div> <div>40' - 8" PVC SDR 26 ENCASED IN 20" STEEL CARRIER PIPE</div> <div>50.00' MWC WATERLINE EASEMENT</div> <div>FINAL 50' OF WATERMAIN TO BE RESTRAINED WITH MECHANICAL JOINT RESTRAINTS</div> <div>WATER METER VAULT</div> <div>2" BUILDING WATER SERVICE (30" COVER, MIN.) COPPER TYPE K</div> <div>100 LF 6" PVC SDR 26 @ 6.0% (BLDG. 3002)</div> <div>CAUTION: 50' MWC WATERLINE EASEMENT ALL CROSSING MUST BE OBSERVED BY MEDFORD WATER COMM. CALL LESTER McFALL AT 541-944-3690 48 HRS IN ADVANCE OF ANY CONSTRUCTION IN THIS AREA.</div> <div>APPROX. LOCATION BIG BUTTE SPRINGS TRANSMISSION LINE (SEE NOTE RT.)</div> <div>APPROXIMATE FINISHED GRADE</div> <div>APPROXIMATE FINISHED GRADE</div> <div>8" WATERMAIN 36" COVER MIN.</div> <div>8" DIP CL. 54 WATERMAIN</div> <div>8" SANITARY SEWER 36" COVER MIN.</div> <div>USE CLSM BACKFILL FOR SANITARY AND WATERMAIN FROM SANMH-8 TO SANMH-9</div> <div>MAINTAIN POSITIVE GRADE ON ALL WATERMAIN</div> <div>MAINTAIN POSITIVE GRADE ON ALL WATERMAIN</div> <div>MAINTAIN 18" MIN. SEPERATION BETWEEN MWC WATERMAINS AND ALL CROSSING UTILITIES. CENTER CASINGS UNDER BIG BUTTE SPRINGS LINE</div> <div>WATERMAIN NOTE: AT ALL LOCATIONS WHERE BENDS EXCEED ALLOWABLE DEFLECTION, PROVIDE MECHANICALLY RESTRAINED DIP BENDS WITH THRUST BLOCKS AS NEEDED TO MAINTAIN ALIGNMENT (TYP., INCIDENTAL)</div> <div>DEVELOPER CONTACT: MARK IVORY DEPARTMENT OF VETERANS AFFAIRS 425 EYE ST. NW WASHINGTON, DC 20001 (202)-632-5159</div> <div>LEGEND: NEW SANITARY SEWER, NEW WATERMAIN, NEW STORM SEWER, EXISTING OVERHEAD ELECTRIC, EXISTING MWC WATER LINE, EXISTING IRRIGATION LINE, PROPOSED EASEMENT, PROPOSED MANHOLE, PROPOSED CATCH BASIN, SOIL BORING</div> <div>NOTES: 1. ALL CONSTRUCTION SHALL COMPLY WITH RECOMMENDATIONS OF THE GEOTECHNICAL ENGINEER UNLESS DIRECTED OTHERWISE. 2. ALL CONSTRUCTION SHALL COMPLY WITH CITY OF EAGLE POINT ENGINEERING STANDARDS, OF ODOT STANDARD CONSTRUCTION SPECIFICATIONS (INCLUDING SUPPLEMENTS) AND RVSS & MEDFORD WATER COMMISSION STANDARDS UNLESS DIRECTED OTHERWISE. CONTRACTOR TO TEST ALL PIPE PER PROJECT SPECIFICATIONS. 3. ALL CONSTRUCTION SHALL COMPLY WITH APPLICABLE MUNICIPAL, WATERSHED DISTRICT, COUNTY PERMITS. 4. THE LOCATION AND TYPE OF EXISTING UTILITIES SHOWN ON THE PLANS ARE FOR GENERAL INFORMATION ONLY. THE INFORMATION IS NOT WARRANTED TO BE ACCURATE OR COMPLETE. THE CONTRACTOR, IN COOPERATION WITH THE APPROPRIATE UTILITY COMPANY OR MUNICIPALITY, IS RESPONSIBLE FOR VERIFYING THE LOCATION AND DEPTH OF ALL UNDERGROUND UTILITIES. 5. PROVIDE MINIMUM 10' HORIZONTAL & 18" VERTICAL SEPARATION OF ALL WATERMAIN CROSSINGS FROM STORM OR SANITARY SEWER. LOWER & INSULATE WATERMAIN AT STORM CROSSINGS AS NEEDED (INCIDENTAL). ALL WATERMAIN TO HAVE 30" MINIMUM COVER. PROVIDE BENDS & BLOCKING AS NEEDED TO MAINTAIN PLAN ALIGNMENT PER 11/W2.1 (INCIDENTAL) 6. VERIFY EXACT LOCATION OF BUILDING UTILITY CONNECTIONS WITH APPLICABLE MECHANICAL AND/OR PLUMBING PLANS. 7. INSTALL 18 GAUGE TRACER WIRE ON PVC SANITARY SEWER AND WATERMAIN PER CITY & RVSS SPECIFICATIONS. 8. SANITARY SEWER SHALL BE PVC SDR 26, UNLESS OTHERWISE NOTED. 9. NOTIFY WATER DEPARTMENT 24 HOURS PRIOR TO HOT TAP AND PROVIDE CHLORINATION SCHEDULE FOR TESTING. CITY INSPECTOR WILL NEED TO BE PRESENT WHEN WORKING NEAR EITHER WATERMAIN ON RILEY ROAD. 10. CONTRACTOR SHALL SCHEDULE A PRECONSTRUCTION MEETING WITH THE CITY 48 HOURS PRIOR TO BEGINNING WORK. CITY INSPECTOR (HARDEY ENGINEERING) WILL BE RESPONSIBLE FOR ALL WATERMAIN INSPECTIONS ON SITE. 11. NEW WATERMAIN MUST BE PIGGED, PRESSURE TESTED, CHLORINATED, DE-CHLORINATED AND TESTED FOR BACTERIA PER AWWA STANDARD TESTING METHODS. CITY EMPLOYEE WILL PULL THE BACTERIA SAMPLE TEST. TESTING PERFORMED BY CONTRACTOR PER CITY OF EAGLE POINT STANDARDS. 12. MAINTAIN A POSITIVE GRADE ON WATERMAIN FROM THE 12" TAP ON RILEY ROAD, HOT TAP 12" WATERMAIN ON RILEY ROAD USING 12"x12"x8" TAPPING SLEEVE AND 8" VALVE. THE CITY HAS BOTH A 12" AND A 6" WATERMAIN IN THE SHOULDER OF RILEY ROAD. 13. FOR THE WATER TAP, USE A 2" TYPE K COPPER SERVICE LINE WITH 2" SQUARE NUT SHUT OFF VALVE AT TAP WITH RISER, VALVE BOX AND CONCRETE COLLAR. AFTER METER INSTALL 2x2" TEE WITH TWO-2" CURB STOPS & RUN TWO-2" LINES IN COMMON TRENCH. 14. THE CONTRACTOR SHALL INCLUDE IN THE BASE BID AN ALLOWANCE OF \$15,311 TO PAY CONNECTION/DEVELOPMENT CHARGES TO ROGUE VALLEY SEWER SERVICES (RVSS) ON BEHALF OF THE VA. INSPECTION FEES HAVE BEEN PAID BY VA. 15. THE CONTRACTOR SHALL INCLUDE IN THE BASE BID AN ALLOWANCE FOR CONNECTION FEES OF \$20,488 TO THE CITY OF EAGLE POINT, AND \$15,796.09 TO THE MEDFORD WATER COMMISSION. THE CONTRACTOR SHALL ALSO INCLUDE IN BASE BID A \$2000 ALLOWANCE FOR METER FURNISHED BY CITY OF EAGLE POINT. THE CONTRACTOR SHALL INCLUDE IN THE BASE BID AN ALLOWANCE OF \$4000 TO PAY FOR ACTUAL CONSTRUCTION INSPECTION COST BY THE CITY'S CONSULTING ENGINEER.</div> <div>SCALE IN FEET</div> <div>PROFILE SCALE IN FEET</div>								